Data Sheet

We make sure

FUJITSU COMPUTERS SIEMENS

ESPRIMO Q Series
The mini with more PC per inch³

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The ESPRIMO Q Series opens a new chapter on performance, size and design.

With its extremely small and stylish design, the new Professional Mini PC satisfies a so far unanswered business need: Professional PC is fashionable. Moreover, powered by latest Intel® Mobile Technology, the ESPRIMO Q Series is very silent and offers high energy efficiency.

Add an eye catcher to your desk instead of buying expandability you never use.

Reliability

- Excellent product quality in a stylish, elegant housing
- Product design and assembly of ESPRIMO Mini PC by Fujitsu Siemens Computers in Germany

Ergonomics

- Sophisticated system design provides the most silent system for an efficient working environment
- Extremely space saving for best usability where space an issue

Customizing

- Tailor-made products to meet customer individual requirements possible
- Perfect adaptation to customer specific needs - customizing cabinet with company logo and design

Security

- Access and data protection with sophisticated hardware and software components for data security
- Best physical and system security to protect your property

Energy Efficiency:

- Lower energy cost due to less power consumption
- Compared to a two years old typical PC system, the ESPRIMO Q Series saves at least 90 kWh a year.
- Certified with the new Energy Star 4.0
- In regards to Total Cost of Ownership, this saves 13 €* energy cost per year e.g. in Germany*Calculation: 1h peak, 7h idle mode, 16h stand by off, 220 working day, 145 day off, 17€/kWh

New design with new platform

		Q5020
Mainboard		
Chipset		
Northbridge		Intel GM965
Southbridge		ICH 8-M
Processor socket		Socket P
Front side bus		533 / 667 / 800 MHz
BIOS version		Phoenix Award BIOS
Flash EPROM BIOS update by software		x
Recovery BIOS		x
Processor		
Intel® Core™2 Duo		T8100 (2,1 GHz)
Second level cache		3 MB
Front side bus (FSB)		800 MHz
Intel® Core™2 Duo		T7250 (2,0 GHz)
Second level cache		2MB
Front side bus (FSB)		800 MHz
Intel® Core™2 Duo		up to T5670 (1,8 GHz)
Second level cache		2MB
Front side bus (FSB)		800 MHz
Intel® Core™2 Duo (value4you)		Core™ 2 Duo 1,83 GHz
Second level cache		2MB
Front side bus (FSB)		667 MHz
Intel® Core™2 Duo (value4you)		Core™ 2 Duo 1,5 GHz
Second level cache		2MB
Front side bus (FSB)		667 MHz
Intel® Celeron		550 (2,0 GHz)
Second level cache		1MB
Front side bus (FSB)		533 MHz
Memory		
Memory support		DDR2
DIMM slots		2
dual channel support		x
Max. capacity DDR SDRAM 400 MHz		-
Max. capacity DDR2 SDRAM 533 MHz		up to 4 GB
Max. capacity DDR2 SDRAM 667 MHz		up to 4 GB
Interfaces		
Mouse/keyboard (PS2)		-
Serial (9pi, 16 byte FIFO, 16550 compatible)		-
Parallel (25pin with EPP and ECP)		-
Display (15 pin, VGA)		via DVI to VGA-Adapter
Display (DVI)		1
TV-out		1x S-Video
Micro (mono) rear		1
Line in (stereo) rear		1
Line out (stereo) rear		1
Micro (mono) front		-
Headphone in front		-
SPDIF out		optical
LAN RJ45		1
Universal Serial Bus (USB 2.0) in total		4
therefore	USB rear	2
	USB front	2
	USB internal	-
FireWire		1
WLAN 802.11 g 54 Mbit		optional
Bluetooth V2.0		optional
LAN on board		x
10/100/1000 MBit/s		Intel 82566MM
Wake up on LAN (WOL)		x
PXE		x
BootP		-
Audio on board		
Internal speaker supports audio playback		-
High definition audio		RealTek ALC888
I/O controller onboard		
Fast IDE/Ultra DMA-100 bus master capability		x
Serial ATA II (NCQ/3GBit)		1
Raid 1/0		-
Hard disk drives		
Serial ATA 40/80/120/160 GB		-/x/x/x
Serial ATA II		-
supporting NCQ and 3GBit (if chipset support is available)		-
Optical drives (IDE)		
CD-RW Combo drive		x
DVD+/- RW Dual layer (+R) Multiformat DVD writer with double layer support		x
Slots		
mini PCI		-
miniCard		1 (for optional WLAN)
PCI		-
PCI Express x16		-
PCI Express x1		-
Graphic on board		Intel® GMA3100
Direct X9		x

DualView	DVI and VGA
Max. resolution for external displays	1920 x 1200 / true color / 75 Hz
Power supply	
AC adapter	19V/90W
Rated voltage (AC input) 100 - 240 V	x
Rated frequency 50 - 60 Hz	x
DC output	19 V, 4,74 A
Power consumption for standard configuration (W) / CPU (1GB memory, HD, ODD, Operating system)	T7250 (2,0 GHz)
Maximum (S0, running app. CD in use)	54W
Average (S0, running OS, Idle mode)	29W
Stand by (S3, energy saving modus, WOL enabled)	-
Minimum (ACPI status S5, soft off, WOL enabled)	2,7W
Heat dissipation (kJ/h / BTU/h) / CPU	
Maximum (S0, running app. CD in use)	194 kJ/h / 184 BTU/h
Average (S0, running OS, Idle mode)	104 kJ/h / 99 BTU/h
Stand by (S3, energy saving modus, WOL enabled)	-
Minimum (ACPI status S5, soft off, WOL enabled)	9,7 kJ/h / 9,2 BTU/h
1W = 3,6kJ/h, 1W = 3,4121BTU/h	
Noise for standard configuration (HDD, ODD)	
A weighted sound power level Lwad (in B) / Workplace related A-weighted sound pressure level LpAm (in dB(A)), (bystander position) (ISO9296)	
Operation mode 1: ODD load (Blue angel requirement)	33.2 dB
Operation mode 2: HDD load (Blue angel requirement)	23.3 dB
Operation mode 3: CPU 90% load (Blue angel requirement)	23.9 dB
Operation mode 4: High load	32.4 dB
Operation mode 5: Office applications	23.7 dB
Idle mode (Blue angel requirement)	18.3 dB
Operating temperatures	
Ambient temperature (IEC 721)	5° - 35° C
Relative humidity (non-condensing)	20% - 85%
Dimensions (H x W x D)	50 x 165 x 165 mm
Operating position (vertical/horizontal)	- / x
Weight (depending on config)	1.7 kg
Approvals and standards	
CE certification	
according to EU Directives 89/336/EEC (EMC) and 06/05/EC (Product safety)	x
Ergonomics	
ISO9241 (GS mark)	-
Product safety	
IEC60950, EN60950, UL 60950, CSA22.2, UL 60950, CSA22.2, No.60950	x
Electromagn. compatibility	
EN55022/B, EN55024, EN61000-3-2/3 / FCC class B	x / x
Environmental compatibility	
Energy Star	x (4.0)
Blue Angel 2007	-
Nordic Swan	x
Software (compatibility / preinstalled)	
Microsoft Windows XP Home	x / -
Microsoft Windows XP Professional	x / optional
Microsoft Windows Vista® 32bit	x / optional
Microsoft Windows Vista® Basic Logo (min. 512MB RAM necessary)	-
Microsoft Windows Vista® Premium Logo (min. 1GB RAM and Dual Channel memory necessary)	x
Additional Software (compatibility / preinstalled)	
Recovery DVD (Microsoft Windows XP / Vista)	optional
Driver and Utility DVD	x
Security	
Physical security	
Kensington Lock support	x
User Security	
User and supervisor BIOS password	x
Hard disk password	-
Serviceability	
FlexySlot	-
EasyFix	-
EasyChange (for HDD / for optical drives)	-
EasyPull	-
Packaging information	
Dimension outside (H x W x D) in mm	50x165x165
Max. quantity/ pallet	84
Material/ weight in g	
Carton	670g
EPS / PS	appr. 10g
PE	appr. 125g
printed user documentation is bleached in chlorin free process	
Logos	

Recycling information/ End of life service information
product is designed for easy recyclability
information about take back and recycling can be found here
http://www.fujitsu-siemens.com/recycling
information about environmental initiatives, policies, programs and goals can be found here

http://www.fujitsu-siemens.com/aboutus
Product material information
for all restricted substances see the Environmental guideline FSC03230
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